

Title (en)

METHODS AND APPARATUS FOR ANALYZING AND QUANTIFYING DNA ALTERATIONS IN CANCER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANALYSE UND QUANTIFIZIERUNG VON DNA-VERÄNDERUNGEN BEI KREBS

Title (fr)

PROCÉDÉS ET APPAREILS D'ANALYSE ET DE QUANTIFICATION DE MODIFICATIONS DE L'ADN DANS LE CANCER

Publication

EP 2882867 A1 20150617 (EN)

Application

EP 13751016 A 20130809

Priority

- US 201261681694 P 20120810
- US 2013054310 W 20130809

Abstract (en)

[origin: WO2014026096A1] Methods and apparatus for inferring purity and ploidy from a sample of cells (e.g., a sample comprising cancer and normal cells) are described. Copy number per cell of interest (e.g., cancer cell) is determined by optimizing purity and ploidy for the sample based, at least in part, on relative copy number profile information. One or more likelihood fit scores are determined for each of a plurality of candidate solutions generated by the methods described herein. A solution is selected based, at least in part on the likelihood fit score(s) and the copy number per cancer cell is determined in accordance with the selected solution.

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP US)

C12Q 1/68 (2013.01 - US); **C12Q 1/6809** (2013.01 - EP US)

Citation (search report)

See references of WO 2014026096A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014026096 A1 20140213; EP 2882867 A1 20150617; US 2015197785 A1 20150716

DOCDB simple family (application)

US 2013054310 W 20130809; EP 13751016 A 20130809; US 201314420750 A 20130809